

CLAIMS

1. An electric smokeless roaster comprising:

an electric heater unit installed in an upper part of a casing;

5 a water pan provided in a lower part of the heater unit;

a grill arranged above the heater unit;

a table mounted on an upper surface of the casing and formed with an opening at a position corresponding to the grill;

10 a suction unit provided on a periphery of the grill and including a suction port for sucking in air around the grill;

an electric dust collecting unit provided inside the casing for dedusting air sucked in through the suction unit; and

a deodorizer provided in the casing for decomposing odor components contained in the air dedusted by the electric dust collecting unit and for exhausting the air out of the casing.

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2. The electric smokeless roaster according to claim 1, wherein

said suction port of the suction unit is provided on a periphery of the heater unit below the grill.

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3. The electric smokeless roaster according to claim 1, wherein

said suction port of the suction unit is provided on a periphery above the grill.

4. The electric smokeless roaster according to claim 1, wherein

25 a downside type suction unit having a suction port below the grill and an upside type suction unit having a suction port on a periphery above the grill are detachably set in the

casing so that they are replaceable.

5. The electric smokeless roaster according to claim 2, wherein

said suction port of the suction unit includes an air director plate protruded on an

5 upper part on the side of the grill.

6. The electric smokeless roaster according to any one of claims 1 to 5,
wherein

said suction unit comprises a detachable guide plate for guiding air that is sucked in a

10 horizontal direction from the suction port into a vertical direction, a detachable oil mist
collecting chute arranged at a predetermined distance with an exit of the guide plate, a
detachable oil tank for accumulating oil collected in the oil mist collecting chute, and a duct
for guiding air that has passed through the oil mist collecting chute toward the electric dust
collecting unit.

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7. The electric smokeless roaster according to any one of claims 1 to 6,
wherein

an oil spout is provided at a side end of the water pan, so that wastewater that has
overflowed from the oil spout is collected in a removable wastewater collecting tank

20 accommodated in the casing.

8. The electric smokeless roaster according to claim 7, wherein

said water pan is detachable from a side of the casing.

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9. The electric smokeless roaster according to any one of claims 1 to 8,

wherein

said deodorizer comprises an ozone generating part.

10. The electric smokeless roaster according to claim 9, wherein

5 said deodorizer alone is operable for a predetermined period of time.

11. The electric smokeless roaster according to any one of claims 1 to 10,

wherein:

a suction fan is installed between the electric dust collecting unit and the deodorizer;

10 and

a casing of the deodorizer has a shape that can function as a muffler.